



Engineering Services
City of Frisco, Texas

Memorandum

To: Honorable Mayor Maso and Members of the Frisco City Council

cc: George Purefoy, City Manager
Ron Patterson, Assistant City Manager
Elizabeth Metting, P.E., Assistant Director/City Engineer

From: Lori Chapin, P.E., Senior Civil Engineer

Date: April 21, 2009

Subject: Consider and act upon authorization for the City Manager to execute Change Order Number 2 to the Standard Form Agreement for Construction Services by and between the City of Frisco and Mario Sinacola and Sons Excavating Inc., for the construction of All Stars Avenue/CR 712 (Frisco Street to North County Road)

Action Requested: City Council consideration and approval for the City Manager to execute Change Order Number 2 to the Standard Form Agreement for Construction Services by and between the City of Frisco and Mario Sinacola and Sons Excavating, Inc. ("Mario Sinacola"), in the amount of \$31,525.73, for the construction of All Stars Avenue/CR 712 (Frisco Street to North County Road).

Background Information: City Council awarded the bid for construction of All Stars Avenue/CR 712 (Frisco Street to North County Road) to Mario Sinacola at the April 15, 2008 meeting. The proposed street project included constructing a 4-lane divided section between Frisco Street and the BNSF Railroad, and a 37-foot wide undivided section from the BNSF Railroad to North County Road. The total length of the roadway is approximately 3,900 feet and includes paving, drainage, water line, landscaping, signal installation and street lighting. The cost of the original contract was \$2,431,331.62.

Change Order Number 1 was approved by City Council on December 16, 2008. The costs associated with Change Order Number 1 totaled \$39,323.61, increasing the total contract amount to \$2,470,655.23. This change included storm sewer, concrete pavement, and pavement markings necessary to construct two turn lanes and median openings that were added to the contract to accommodate future development at the northeast corner of All Stars Avenue/CR712 and Frisco Street.

In addition, a revision to the original bid quantities to allow for planting new trees on the south side of All-Stars Avenue/CR712.

Change Order No. 2 includes the following additions and deductions:

Paving

To provide a smooth transition from the concrete pavement to the railroad crossing on All-Stars Avenue/Cr 712, a four foot wide area of hot mix asphalt concrete (HMAC) must be placed. The HMAC will remain in place until the railroad crossing improvements have been completed by BNSF. The additional HMAC will increase the contract by **\$1,425.00**.

John Elliott was constructed by a developer on the north side of All Stars Avenue/CR712 to provide a second point of access. The developer constructed the tie-in from John Elliott to All Stars Avenue/CR712 at the wrong elevation. Since the City's contractor was underway on the roadway construction of All Stars Avenue/CR712, City staff agreed to allow the developer to escrow funds with the City and have the contractor reconstruct the tie-in. The pavement has been reconstructed by Mario Sinacola at a cost of \$11,000.00, and will be paid from the escrow funds as paid by the developer. **The contract will increase by \$11,000.00.**

Traffic Control

During construction, the striping plans were updated to remove traffic buttons shown in the plans and meet the current City standard of thermoplastic striping. The change to the striping plans will decrease the construction contract by **(\$664.20)**.

Water

Additional water taps for the 12 inch waterline were added to address changes required with the addition of the turn lanes and median openings. In addition, during construction, it was determined that the quantities for the wrapped iron fittings were underestimated during the design and bidding phase. The additional amount will pay the contractor for the item complete and in place. The water improvements resulted in a net increase of **\$18,859.00**.

Erosion Control

During construction, it was determined that Curlex wasn't included in the quantities during the design and bidding phase. Curlex should be provided adjacent to the curb along the project to secure the backfill until grass has been established. The additional amount will pay the contractor for the item complete and in place. The addition of the erosion control resulted in a net increase of **\$11,201.40**.

Landscape

The planting and concrete edging quantities were modified as a result of the addition of the turn lanes and median openings to accommodate the revised median. The landscape modifications resulted in a net increase of **\$18,202.61**.

Irrigation

The revisions to the irrigation system include increasing the pipe size from a 2 inch line to a 3 inch line. In addition, modifications were made to the system due to the addition of the turn lanes and median openings, which include valve boxes and boring sleeves for the water lines. The modifications to the irrigation system resulted in a net increase of **\$21,827.08**.

Traffic Signalization

The plans also included a traffic signal at the corner of All-Stars/CR712 and Frisco Street. During construction, it was determined the signal was not necessary at this time and thus the above ground signal features were eliminated. This resulted in a net decrease of **(\$40,803.33)**.

Electrical

The electrical layout in the plans required a boring under the BNSF Railroad to connect the street lighting. During construction, it was determined the boring was not required and electricity could be supplied on either side of the railroad crossing. The changes in the electrical work will result in a net decrease of **(\$9,748.57)**.

Miscellaneous

The quantities for the wire fence were underestimated during the design and bidding phase. The additional amount will pay the contractor for the item complete and in place. The change will result in a net increase of **\$226.73**.

Items	Amount
Paving	\$12,425.00
Traffic Control	(\$664.20)
Water	\$18,859.00
Erosion Control	\$11,201.40
Landscape	\$18,202.61
Irrigation	\$21,827.08
Traffic Signalization	(\$40,803.33)
Electrical	(\$9,748.57)
Miscellaneous	\$226.73
Net Total Change	\$31,525.73

The net change for all items included in Change Order No. 2 totals \$31,525.73. The approval of Change Order No. 2 increases the contract amount to \$2,502,180.96.

Alternatives: The City Council could consider the following alternatives:

- Approval to authorize the City Manager to execute Change Order Number 2;
- Input towards the discussion as desired;
- Deny approval to authorize the City Manager to execute Change Order Number 2 and send back to staff with direction.

Financial Considerations: The funding for All-Stars Avenue/CR712 is from 2005, 2006 and 2007 General Obligation Bonds with the Frisco Economic Development Corporation contributing \$800,000 towards the cost of construction and \$11,000 will be paid from escrow funds paid by an adjacent developer. Staff recommends funding for Change Order Number 2 from the 2007 General Obligation Bonds.

Legal Review: Not Applicable

Supporting Documents: Supporting documents include the following items:

- Copy of Project Location Map;
- Copy of Change Order Number 2

Staff Recommendation: Staff recommends approval for authorization for the City Manager to execute Change Order Number 2 to the Standard Form Agreement for Construction Services by and between the City of Frisco and Mario Sinacola and Sons Excavation, Inc. of Frisco, Texas, in the amount of \$ 31,525.73 for the construction of All Stars Avenue/CR 712 (Frisco Street to North County Road) (Bid No 0802-023). Staff will be available during the meeting to address the City Council's questions relating to this agenda item.